

Date: Sat, 28 Aug 93 08:33:20 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1024
To: Info-Hams

Info-Hams Digest Sat, 28 Aug 93 Volume 93 : Issue 1024

Today's Topics:

'Diversity Operation'? (2 msgs)
 Algonquin Amateur Radio Club
 Call Sign Servers
 Cuba & Return postage

How to find the answers to frequently-asked questions about Ham Radio
 Need supplier: R-1000 pilot lamps
 QSL Help - 9G1XA (2 msgs)
 Radio Shack attitudes

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 17 Aug 1993 01:55:47 GMT
From: spool.mu.edu!torn!nott!bnrgate!bcars267!mwandel@uunet.uu.net
Subject: 'Diversity Operation'?
To: info-hams@ucsd.edu

This may be a FAQ, and yes, I am one who unsubscribes to these groups when
nothing interesting passes by for a while so I may have missed it in the past.
I am wondering about 'Diversity operation'. My shortwave receiver has an
allusion to it in the manual; it involves tying the final IF of two receivers
together and tuning them both to the same station. My guess is that two
physically separated antennas are involved and the intended benefit is to
reduce selective carrier fading. It takes a leap of faith not to imagine
phase flutter as the two IFs get close to each other in frequency though.
And why not just sum the two antenna outputs at the RF level and only use
one receiver?

Simplistically I once heard a catchy synthesizer pop piece on the German station and set one receiver (the big old one) to 6100 and my DX440 to 6075, on both of which the station transmits, and found that the selective carrier fading was not in sync and the overall music listening experience improved. In fact, the wafting back-and-forth effect combined with the electronic music was very neat indeed.

Today I was listening to the same frequency on both, using wire antennas less than one meter apart and found that the selective carrier fading was not exactly the same on both machines. Is this what 'diversity' exploits?

Anyone care to reminisce about practical use of this technique? Is it still used or has it been obsoleted by SSB?

--

Markus Wandel Ottawa Ont. Canada (613) 592-1225
markus@pinetree.org <-- NOT 'mwandel@bnr.ca', that does not work.

Date: Tue, 17 Aug 1993 12:57:37 GMT
From: europa.eng.gtefsd.com!gatech!kd4nc!ke4zv!gary@uunet.uu.net
Subject: 'Diversity Operation'?
To: info-hams@ucsd.edu

In article <1993Aug17.015547.26921@bnr.ca> markus@pinetree.org writes:
>This may be a FAQ, and yes, I am one who unsubscribes to these groups when
>nothing interesting passes by for a while so I may have missed it in the past.
>I am wondering about 'Diversity operation'. My shortwave receiver has an
>allusion to it in the manual; it involves tying the final IF of two receivers
>together and tuning them both to the same station. My guess is that two
>physically separated antennas are involved and the intended benefit is to
>reduce selective carrier fading. It takes a leap of faith not to imagine
>phase flutter as the two IFs get close to each other in frequency though.
>And why not just sum the two antenna outputs at the RF level and only use
>one receiver?

Well, what you're supposed to do is tie *one* first oscillator, pick either one, to the first mixers in each receiver. And then combine the *audio* outputs of the two receivers. With separate antennas, you'll now get space diversity reception which should reduce selective fading. The same thing will work with two oscillators as long as you tune accurately and combine at audio. The key is combining at audio. That way the phase differences at RF don't matter.

ANT1-----MIX1----IF1---DET1--
 | |

```

          OSC                X-----AF
          |                  |
ANT2-----MIX2-----IF2---DET2--

```

>Simplistically I once heard a catchy synthesizer pop piece on the German
>station and set one receiver (the big old one) to 6100 and my DX440 to 6075,
>on both of which the station transmits, and found that the selective carrier
>fading was not in sync and the overall music listening experience improved.
>In fact, the wafting back-and-forth effect combined with the electronic music
>was very neat indeed.

This is called frequency diversity. Again, if you combine at AF the relative
frequency and phase difference at RF is not relevant.

>Today I was listening to the same frequency on both, using wire antennas less
>than one meter apart and found that the selective carrier fading was not
>exactly the same on both machines. Is this what 'diversity' exploits?

Yes, but you really want more separation between the antennas. Just don't
make it a multiple of half a wavelength. :-)

>Anyone care to reminisce about practical use of this technique? Is it still
>used or has it been obsoleted by SSB?

It still works, even on SSB, though you really have to use common
oscillators there, first and second, or the audio won't be exactly
the same frequency and phase out of the two receivers.

Gary

```

--
Gary Coffman KE4ZV          |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way            | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244    | -Ray Stevens          |

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Date: 27 Aug 1993 20:00:26 GMT
From: noc.near.net!jericho.mc.com!fugu!levine@uunet.uu.net
Subject: Algonquin Amateur Radio Club
To: info-hams@ucsd.edu

```

Do you read 73 Magazine? Did you wonder what Wayne Green was
referring to on page 76 of the September issue where he
discusses the Algonquin Amateur Radio Club and the "outrageous
conduct" of K1ZFH?

I would be happy to send you the information by private reply

mail. Let me know!

73 Bob

```
-----  
  ||  //  ||\\  //||  //\\  //\\  
  ||  //  ||  \\  //||  //    //  
  ||//  ||  \\  ||  //    //    //  
  ||\\  ||  ||  ||  \\  ===  \\  ===  
  ||  \\  ||  //  ||  \\  //  \\  //  
  ||  \\  ||  //  ||  \\//  \\//
```

-----FTAC

Bob Levine KD1GG 7J1AIS VK2GYN
levine@mc.com (508) 256-1300 x247
kd1gg@wa1phy.ma FAX (508) 256-3599

Date: 28 Aug 93 12:16:47 GMT
From: news-mail-gateway@ucsd.edu
Subject: Call Sign Servers
To: info-hams@ucsd.edu

Can someone send me all the E-Mail addresses for all the working call sign servers. The one I have been using is sorta out of date "CALLBOOK@sat.datapoint.com" "NOV 91".

73

Tim Wright KD40VM

Date: Tue, 17 Aug 1993 00:47:18 GMT
From: spsgate!mogate!newsgate!nuntius@uunet.uu.net
Subject: Cuba & Return postage
To: info-hams@ucsd.edu

Subject: Cuba & Return postage
From: Scott Richard Rosenfeld, ham@wam.umd.edu
In article <24osto\$8kt@cville-srv.wam.umd.edu> Scott Richard Rosenfeld, ham@wam.umd.edu writes:

>
>I have GOT to get this QSL from Cuba. Last night, I worked C07JC in
>Camaguey, Cuba, and he said that direct address (even gave PO Box) was
>the best way to go.
>

```
>Do Cuban hams expect return postage to be included? Obviously, sending
>dollar bills to Cuba is probably NOT a good idea, given the climate of
>hostility between the US and Cuba.
>
>So does one expect that a Cuban will pick up postage, or should I
>include an I.R.C.?
>
>Anyone have a Cuban stamp?
>
>Scott NF3I
>
>--
>73,
>
>_____ The
> \ / Long Original
>Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
>
> WAC CW/SSB WAS 95% of the way to DXCC _____| Dipoles!
Antenna!
-----
```

Date: 28 Aug 93 09:44:07 GMT
From: rtech!amdahl!amdahl!uts.amdahl.com@decwrl.dec.com
Subject: How to find the answers to frequently-asked questions about Ham Radio
To: info-hams@ucsd.edu

How to find the Rec.radio.amateur.misc Frequently Asked Questions list

The FAQ articles are intended to summarize some common questions on the rec.radio.amateur.misc newsgroup and Info-Hams mail list as well as to help beginners get started.

Besides the monthly posting, the FAQ is always available via anonymous FTP and from e-mail servers. This article contains instructions for obtaining a copy of the FAQ. It also contains the table of contents from the FAQ so that you know which questions are covered by it.

Please provide a copy of the FAQ to any new or soon-to-be Hams you know.

Regular FAQ postings can help save network bandwidth and maintain a good signal-to-noise ratio in the newsgroup. However, they can't do it alone - you, the reader, have to use them. If you are a new user, please print and review the FAQ articles and look at the instructions in the news.newusers newsgroup before posting any articles. If you are an experienced user, please help by refraining from answering frequently-asked questions on the newsgroup if they are already answered by the FAQ articles. Instead, send e-mail to the user who asked the question. (It will be helpful if you include the part of the FAQ that answers their question, but not the whole thing.)

--How to obtain a current copy of the FAQ-----

There are 3 ways to obtain a copy of the FAQ.

- 1) NetNews
- 2) Anonymous FTP
- 3) An Electronic Mail Server

Option #1: NetNews

If you are familiar enough with NetNews to look through previous articles on your system, Option #1 above may be the easiest for you. The FAQ is posted so that it should not expire from your site's news spool until the next one is posted. Unfortunately, some news administrators do not honor the expiration dates meant to preserve the FAQ.

Look in rec.radio.amateur.misc, rec.radio.info, rec.answers, or news.answers. If the FAQ has expired at your site, try Option #2 (and ask your news administrator to honor expiration dates for articles cross-posted to news.answers if he/she can.)

Option #2: Anonymous FTP

Anonymous FTP uses the File Transfer Protocol. It is only available to sites which are directly connected to the Internet. If you don't know how to use FTP and can't find a friend to help you, continue to Option #3. If your site is not connected to the Internet, you should also continue to Option #3.

The following sites have copies of the FAQ:

site name & address	path to FAQ articles
-----	-----
ftp.amdahl.com	pub/radio/amateur/faq.[1-3].Z

	located in western USA, FAQ updated daily
ftp.cs.buffalo.edu	pub/ham-radio/faq_ham_[1-3]
	located in eastern USA, FAQ updated monthly
rtfm.mit.edu	pub/usenet/news.answers/radio/ham-radio/faq/part*
	located in eastern USA, FAQ updated monthly
	contains news.answers archive - most UseNet FAQs are here
grivel.une.edu.au	pub/ham-radio/buffalo/ham-radio/faq_ham_[1-3]
	located in Australia, FAQ updated monthly
	(Ham files mirrored from buffalo/funet/ucsd daily)
nic.funet.fi	pub/ham/info/faq_ham_[1-3]
	located in Finland, FAQ updated monthly

Remember, when connecting to the remote system, use the login name of "anonymous" and, as a courtesy to the site administrators, your e-mail address for the password.

Option #3: Electronic Mail Server

If you can't use Options 1 or 2, your only remaining option is electronic mail. You can retrieve a copy of the FAQ by sending a message to
mail-server@rtfm.mit.edu

The body of your mail will contain a command for the mail server software. To get all of the FAQ (consisting of 70K of e-mail in 3 parts), place the following in the first line of your message:

send usenet/news.answers/radio/ham-radio/faq/*

Leave out the subject of your message because the mail server will ignore it.

--- begin sample mail message ---

To: mail-server@rtfm.mit.edu

From: me@here.org

Date: Mon Aug 14 22:27:33 PDT 1995

send usenet/news.answers/radio/ham-radio/faq/*

--- end sample mail message ---

Table of Contents

Dates indicate last modification.

Part 1 - Introduction to the FAQ and Amateur Radio

** Table of Contents (6/93)

** Introduction to the FAQ (11/92)

 * How to Contribute to the FAQ Articles (6/93)

 * Acknowledgements (6/93)

- * Notes on "Netiquette" (1/93)
- ** What is Amateur Radio? (11/92)
- ** Who can become a ham? (6/93)
- ** Where can I locate information and books on Amateur Radio? (4/92)
- ** How much does it cost? (4/92)
- ** Where can I take the tests? (pre-4/92)
- ** What are the tests like? (6/93)
- ** What can I do with a ham radio license? (5/92)
- ** What can't I do with an Amateur Radio license? (pre-4/92)
- ** I'm interested, who will help me? (11/92)
- ** Should I build my own equipment or antenna? (11/92)

Part 2 - Amateur Radio Organizations, Services, and Information Sources

- ** Where can I find Ham Radio information with a computer? (11/92)
 - * The rec.radio.* newsgroups (6/93)
 - * The ARRL e-mail server (1/93)
 - * The Internet File Transfer Protocol (FTP) (6/93)
 - * Access to FTP archives via electronic mail (1/93)
 - * The Info-Hams mail list: rec.radio.amateur.misc by mail (1/93)
 - * Telephone BBS's with Ham-related information (11/92)
 - * Callsign servers and geographical name servers (11/92)
 - * FTP access to FCC Part 97 and FCC Amateur Radio question pools (11/92)
 - * Lists of radio modifications and extensions (11/92)
- ** Can I send ARRL or W5YI electronic mail? (11/92)
- ** "Why doesn't the ARRL do...?" (11/92)
- ** What magazines are available for Ham Radio? (pre-4/92)
- ** How do I use the incoming and outgoing QSL bureau? (11/92)
- ** Are there any news groups for CAP? (11/92)
- ** What's the name of the QRP club that issues QRP numbers? (pre-4/92)
- ** How do I become a 10-10 member? (pre-4/92)
- ** How do I join MARS? (1/93)
- ** How do I join RACES? (pre-4/92)
- ** What organizations are available to help handicapped hams? (pre-4/92)
- ** I am looking for a specific ham, can anyone help me find him? (6/93)
- ** Can I post my neat new ham related program on rec.radio.amateur.misc? (pre-4/92)
- ** Where can I get ham radio software for my computer? (4/92)
- ** Are there Dialup News services or BBSs for Amateur Radio? (4/92)
- ** Where can I find VE sessions in my local area? (6/92)
- ** Why isn't XXX available electronically? (4/92)

Part 3 - Amateur Radio Advanced and Technical Questions

- ** What are the different US amateur classes and what can each of them do? (pre-4/92)
- ** What is the best way to learn Morse Code? (10/92)
- ** What is the standard for measuring Morse code speed? (pre-4/92)
- ** I'm confused. What do all those abbreviations mean??? (6/93)
- ** What do all those "tones" mean? (pre-4/92)

- ** Where can I learn more about Amateur Radio if I live outside the US? (6/93)
- ** How can I get a "reciprocal license" if I am a licensed ham from another country or if I am a FCC licensed ham who wants to operate in another country (on vacation)? (11/92)
- ** My apartment or housing complex does not allow outdoor antennas, now what do I do? (6/93)
- ** I got TVI...HELP!!! (pre-4/92)
- ** Did you know that you can get college credit for being a ham? (pre-4/92)
- ** On what frequencies do JPL and GSFC retransmit the shuttle audio? (10/92)
- ** Can I take my HT on an airplane and operate it if I get the permission of the captain? (4/92)
- ** How do I modify my current Amateur license? (4/92)
- ** I'm confused about XXX, should I ask the FCC? (4/92)
- ** Is there any information on antique radios? (pre-4/92)
- ** Where can I buy vacuum tubes? (pre-4/92)
- ** What do I need to get started in packet radio? (5/92)
- ** What do I need to get started in satellite communications? (pre-4/92)
- ** What is available to get started in ATV, SSTV and WEFAX? (5/92)
- ** What are these contests I sometimes hear, and how do I participate? (7/92)

--Submitting changes for the FAQ-----

If you have comments or updates for the FAQ, send e-mail to
hamradio-faq@amdahl.com

This will send mail to all the people on the FAQ editorial review group.

Date: Sat, 28 Aug 1993 15:05:32 GMT
 From: dog.ee.lbl.gov!agate!spool.mu.edu!nigel.msen.com!yale.edu!cs.yale.edu!
 csusys.ctstateu.edu!white@network.ucsd.edu
 Subject: Need supplier: R-1000 pilot lamps
 To: info-hams@ucsd.edu

I have a Kenwood R-1000 SW receiver, and I need a pilot lamp replacement bulb for the main tuning dial (B30-0808-05). Can anyone direct me to a parts source or suggest a replacement lamp? It's not a threaded/socketed bulb, but a small lamp+leads assembly. Thanks.

Harry
 white@csusys.ctstateu.edu

Date: Sat, 28 Aug 1993 12:40:14 GMT
 From: dog.ee.lbl.gov!agate!howland.reston.ans.net!darwin.sura.net!

gatekeeper.es.dupont.com!esds01.es.dupont.com!Nemours!taylorjh@network.ucsd.edu
Subject: QSL Help - 9G1XA
To: info-hams@ucsd.edu

Yesterday, I contacted 9G1XA in Ghana; I would like to exchange QSL's and I understood him to say to send the card to his home QTH which I thought was K0EY. However, I can't find K0EY in the callbook (servers).

Can someone help me with the QSL address for 9G1XA?

Thanks, in advance, for your assistance!

John
- K3ZKA -

Date: Sat, 28 Aug 1993 13:33:53 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!darwin.sura.net!
gatekeeper.es.dupont.com!esds01.es.dupont.com!wmvx.dnet.dupont.com!
taylorjh@network.ucsd.edu
Subject: QSL Help - 9G1XA
To: info-hams@ucsd.edu

In article <taylorjh.1.0@Nemours> taylorjh@Nemours (John H. Taylor) writes:
>From: taylorjh@Nemours (John H. Taylor)
>Subject: QSL Help - 9G1XA
>Date: Sat, 28 Aug 1993 12:40:14 GMT
>Yesterday, I contacted 9G1XA in Ghana; I would like to exchange QSL's and I
>understood him to say to send the card to his home QTH which I thought was
>K0EY. However, I can't find K0EY in the callbook (servers).
>
>Can someone help me with the QSL address for 9G1XA?
>
>Thanks, in advance, for your assistance!
>
>
>John
>- K3ZKA -

Mail address in this note was in error; sorry!

Should have been: taylorjh@wmvx.dnet.dupont.com

Thanks!
John H. Taylor
E. I. DuPont de Nemours & Company, Inc.

Opinions expressed are solely those of the author

and do not represent statements by the DuPont Company

Date: 27 Aug 93 16:00:27

From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sol.ctr.columbia.edu!

caen!rphroy!rcsuna.gmr.com!rcsuna.gmr.com!vbreault@network.ucsd.edu

Subject: Radio Shack attitudes

To: info-hams@ucsd.edu

In article <2C7E3249.2906@news.service.uci.edu> lockhart@mothra.nts.uci.edu (Jack C. Lockhart) writes:

In article <VBREAU.LT.93Aug27111731@rinhp750.gmr.com>, Val Breault
<vbreault@rinhp750.gmr.com> wrote:

>In article <2511na\$c74@jericho.mc.com> levine@mc.com (Bob Levine,x247) writes:

<you all remember the post that began>

- > There have been a lot of postings about how rotten the service
- > is at Radio Shack lately, although I always thought it was a
- > convenient place to pick up odds and ends. Radio Shack's attitude
- > towards Amateurs was never really an issue because I have never
- > considered purchasing any "real" radio gear there.

<deleted stuff - my own>

>Rather than lose you as a customer Bob, I'm sure the store manager
>would like to speak with you. If not the store manager, then the
>district manager. As I said, it's not company policy to treat people
>poorly. Though I ought to add... It's against company policy to
>promote your radio club. If you can show the store manager how it
^^^^^^ ^^^^ ^^^^^ ^^^^

I usually don't flame people but, I just couldn't let this go by.
And YES, I am also an ARRL VE.

Wake up and smell the roses Val. The original post was very clear.

Bob Levine said: "I am the liason for the local ARRL VE team. I asked
if I could leave some flyers promoting the next VE Session."

Club? What club? There is no radio club!

Well folks, Jack's got me there. He caught me red handed. I falsely
accused Bob of representing a radio club. I am guilty. I apologize
for any embarrassment I have unwittingly caused, though I fail to see
why I should be flamed for it.

It's still against company policy to promote it. However, the store
manager may be inclined to bend that rule if he can show increased

sales due to it. (The policy actually says that only RS merchandise and promotional material can be displayed. Nothing against Bob's exam sessions or the local charity drive.... it's just not stuff received from Ft. Worth. The managers have some leeway but it really helps them if they can show THEIR manager how it helps their store increase sales.

Jack, I don't know what this "I'm a VE" stuff has to do with anything. Customers and sales clerks are persons and ought to be treated with respect regardless of what ever credentials they carry. For what it matters, I'm a VE too. And a director in a radio club. And the club newsletter editor. And the clubs ARRL liasion. And an Extra class operator... So? So what? I still haven't elmered anyone, I still haven't got 5BWAS or DXCC, I haven't even got an antenna named after me. But then again, I've only been licensed for a bit over two years.

>will result in significant sales then I'm pretty sure the store manager
>wouldn't mind bending the rules a little. But the onus is on you to
>show him why it would be in his best interest.

^^^^ ^^^^^^^^

Bob Levine also said:

"The sales clerk looked a bit puzzled until I pointed out to him that if locals get their license, they might be inclined to come in and purchase their Ham gear."

That seems very clear to me. Maybe I missed something. It seems to me that Val Breault - N80EF - vbreault@gmr.com really stepped in it this time.

As far as I can tell, Bob spoke with a "sales clerk", not with the store manager. The sales clerks have no authority to change anything. It seems that "lockhart@mothra.nts.uci.edu (Jack C. Lockhart)" may have missed that point.

<I received no flames from this point forward so I deleted the rest>

I have said all I am willing to say about the matter. I enjoy discussions and look forward to them but I take no joy in reading flame wars and even less in their infantile persuit....

I'm embarrassed that I even wrote this much.

--

Val Breault - N80EF - vbreault@gmr.com \ /|
Instrumentation dept GM NAO R&D Center \ / |
My opinions are not necessarily those of \ /__|
GMR nor of the General Motors Corporation \ / |___

Date: Sat, 28 Aug 93 14:05:43 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!sgiblab!wattres!sking@network.ucsd.edu
To: info-hams@ucsd.edu

References <VBREault.93Aug27111731@rinhp750.gmr.com>,
<2C7E3249.2906@news.service.uci.edu>, <VBREault.93Aug27160027@rinhp750.gmr.com>
Subject : Re: Radio Shack attitudes

In article <VBREault.93Aug27160027@rinhp750.gmr.com> vbreault@rinhp750.gmr.com
(Val Breault) writes:
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```

>
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>
>--
>Val Breault - N80EF - vbreault@gmr.com \ /|
>Instrumentation dept GM NAO R&D Center \ /|
>My opinions are not necessarily those of \ /__|
>GMR nor of the General Motors Corporation \ / |___

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I've been to Quement (aka The Bascom Bandit, The Big Q) in San Jose. They sell all kinds of electronic gizmos and accessories as well as Amateur radio gear. They do a very good job of advertising the local VE sessions as well as having a bulletin board where hams can advertise on 3x5 cards. HRO in Sunnyvale does too, but it is more understated (the board is in a far corner of the building). I do think that businesses that sell products that require a licence to use have a moral responsibility to educate a potential customer that a licence is required to operate the item. I have not purchased a new car lately, so I don't know if they ask if the customer has a licence.

I think the big panic over unlicensed operators started when RS brought out its 2m HT. Because of the very high visibility and popularity of RS, hams, rightly so, became concerned about unlicensed ops. I began to see signs at Quement and HRO saying you have to have a licence to use or try out the radio gear. RS does this in their ads in 5-point type at the bottom of the page. It's not an unfounded fear. On one occasion an unlicensed ham was chatting on a local repeater, asking a bunch of questions that would have been obvious to anyone who has even READ the question pool, much less passed the test. Luckily, the control operator informed him that one needs a licence to transmit and the QRM went away.

This is off-subject so I'll keep it brief. When I moved to Florida, I looked into how to get a Fla. driver's licence. It turns out, you can't get a D/L unless you own a car, i.e., you have a car registered in your name in Fla. But you can't get your car registered unless you have a Fla. D/L. Hmm.. What they do is bend the latter rule so you can register your car and then get a licence. In Calif., I believe, you don't even have to own a car to get a D/L.

Steve

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"The buck stops here!"
 -- Harry S Truman
 "The buck never got here!"

ICBM: 29N 41' 26" / 82W 21' 17"

-- William Jefferson Blythe Clinton

End of Info-Hams Digest V93 #1024
